

FIG. 1

Figure 2.1

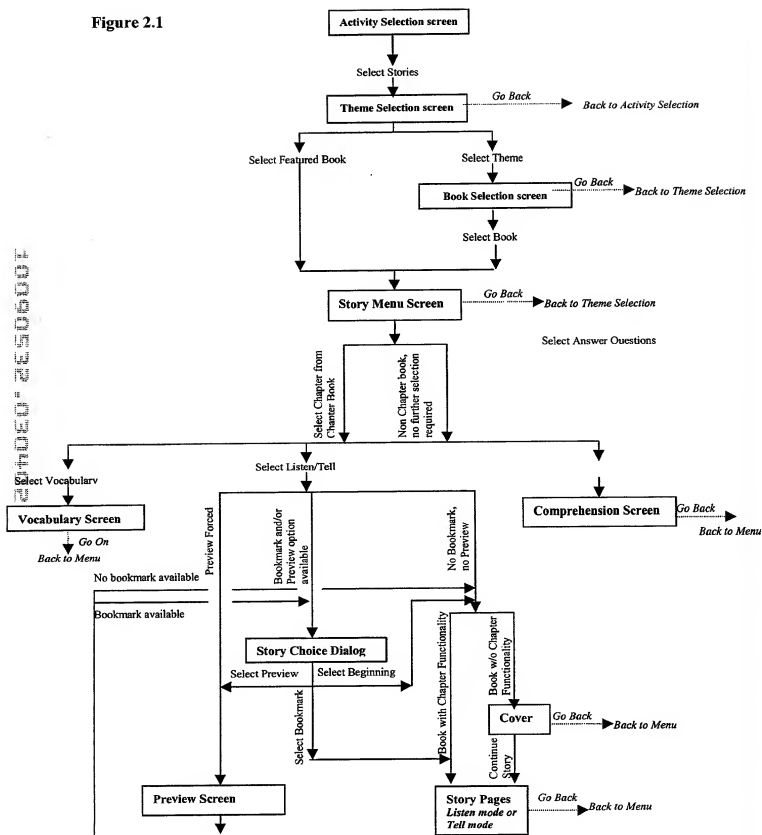
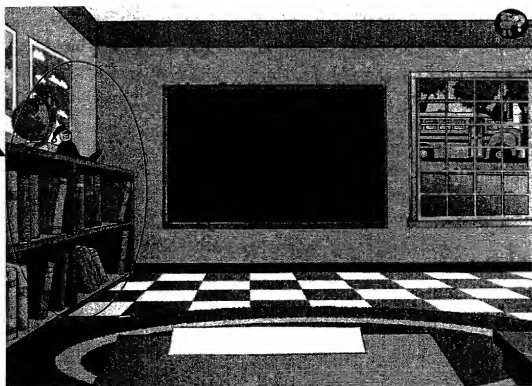


Figure 2.2

STORY  
AREA



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Figure 2.3

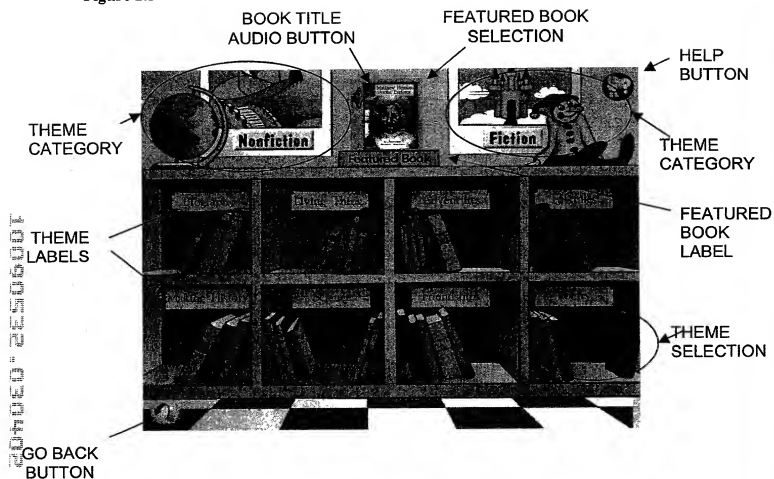
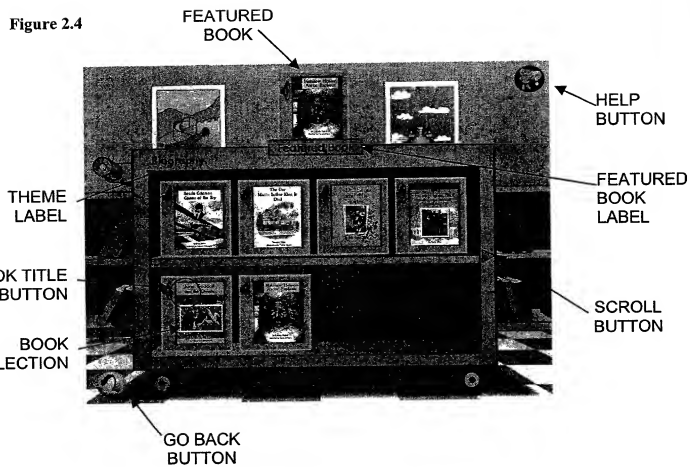


Figure 2.4



1009532 02442  
20100 2256001

Figure 2.5

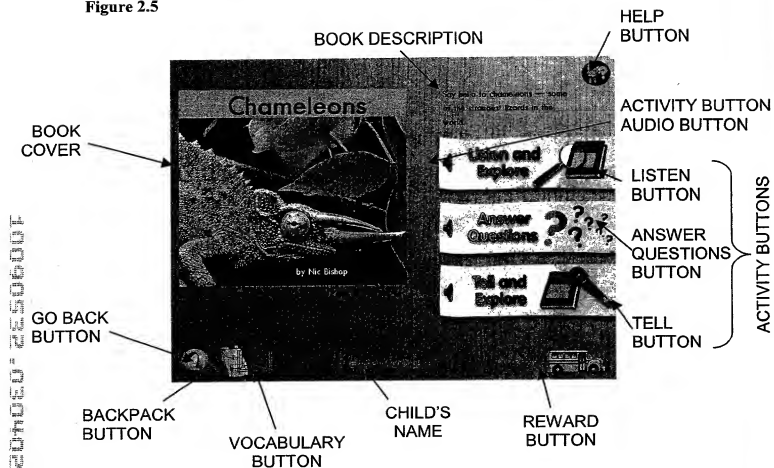


Figure 2.6

SELECTION  
BUTTON

AUDIO  
BUTTON

DIALOG TEXT

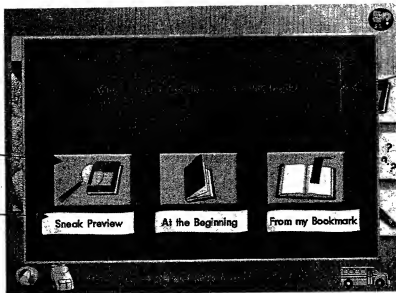
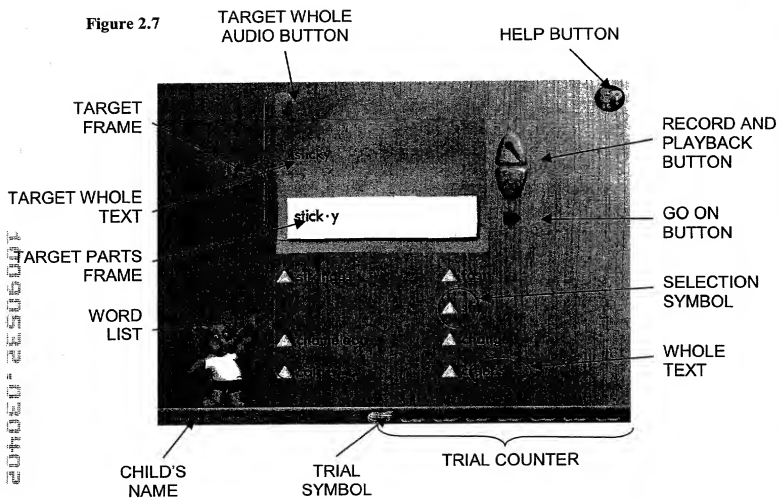


Figure 2.7

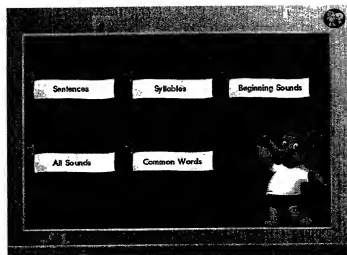


FOCUS DIALOG BUTTON





Figure 2.8



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Figure 2.9

Sentences Focus



Syllables and High Frequency Foci



Onset/Rime Focus



Sounds Focus



Figure 2.10

# BOOK DISPLAY

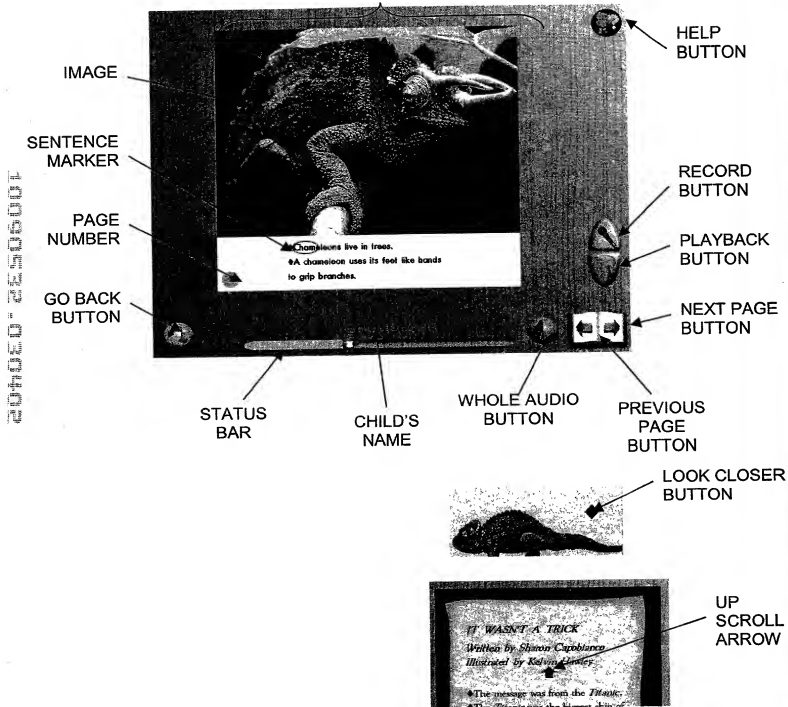


Figure 2.11

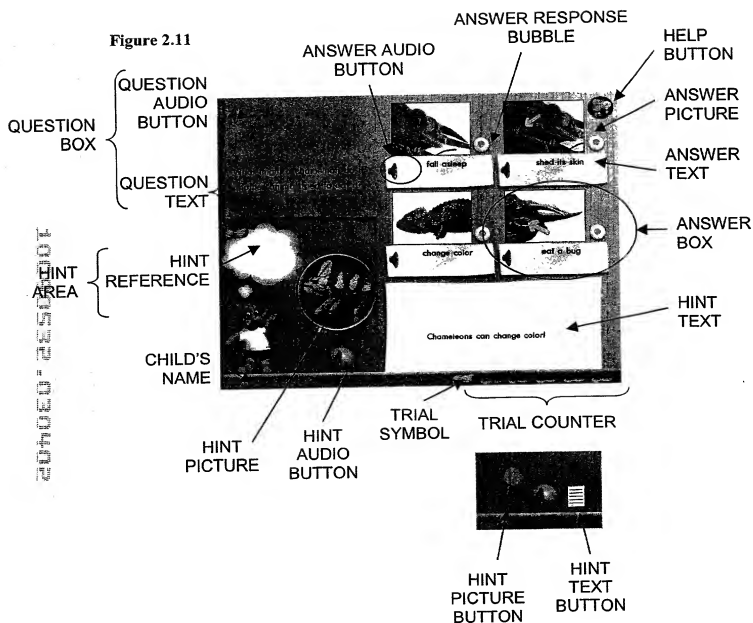
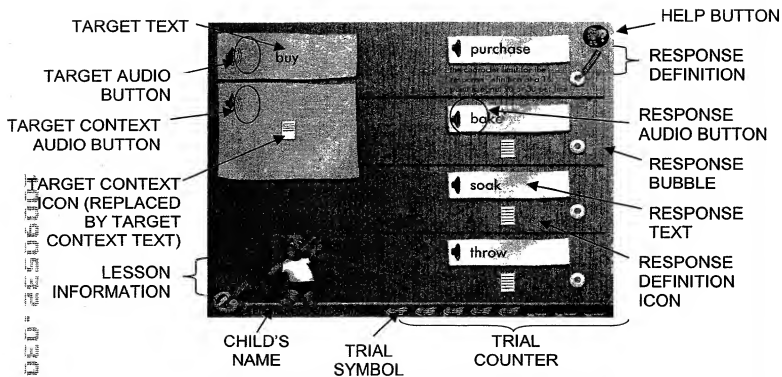


Figure 2.12



Category	Item	Score
Cognitive	1. I am able to understand what I am reading.	4
	2. I am able to understand what I am hearing.	4
	3. I am able to understand what I am seeing.	4
	4. I am able to understand what I am feeling.	4
Emotional	5. I am able to understand what I am thinking.	4
	6. I am able to understand what I am doing.	4
	7. I am able to understand what I am saying.	4
	8. I am able to understand what I am writing.	4
Behavioral	9. I am able to understand what I am doing.	4
	10. I am able to understand what I am saying.	4
	11. I am able to understand what I am writing.	4
	12. I am able to understand what I am feeling.	4

*AVL 1*

	Question	Answer	Hint
Picture		Initial	Initial
Text	Initial	Initial	Initial
Audio	Initial	On Demand	On Demand

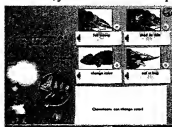
Note: at AVL 1, only two answers will be presented.



## AVL 2

	Question	Answer	Hint
Picture		Initial	Initial
Text	Initial	Initial	Initial
Audio	Initial	On Demand	On Demand

*Note: at AVL 2-7, four answers will be presented.*



### AVL 3

	Question	Answer	Hint
Picture		Initial	On Demand
Text	Initial	Initial	On Demand
Audio	Initial	On Demand	On Demand

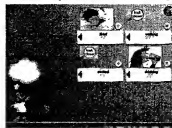
*Note: at AVL 2-7, four answers will be presented.*



## AVL 4

	Question	Answer	Hint
Picture		On Demand	On Demand
Text	Initial	Initial	Never
Audio	Initial	On Demand	Never

*Note: at AVL 2-7, four answers will be presented.*



## AVL 5

	Question	Answer	Hint
Picture		Never	Never
Text	Initial	Initial	Never
Audio	On Demand	On Demand	Never

Note: at AVL 2-7, four answers will be presented.



## AVL 6

	Question	Answer	Hint
Picture		Never	Never
Text	Initial	Initial	Never
Audio	On Demand	Never	Never

Note: at AVL 2-7, four answers will be presented.



## AVL 7

	Question	Answer	Hint
Picture	Never	Never	Never
Text	Initial	Initial	Never
Audio	Never	Never	Never

*Note: at AVL 2-7, four answers will be presented.*

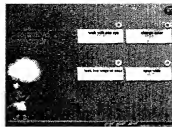
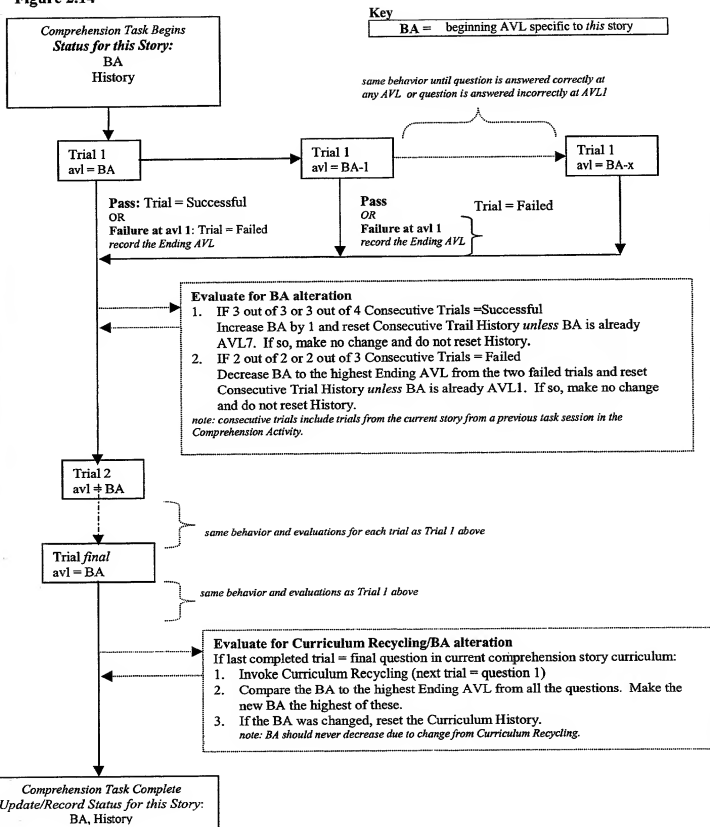


Figure 2.14



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201002-23506001

Figure 3.1

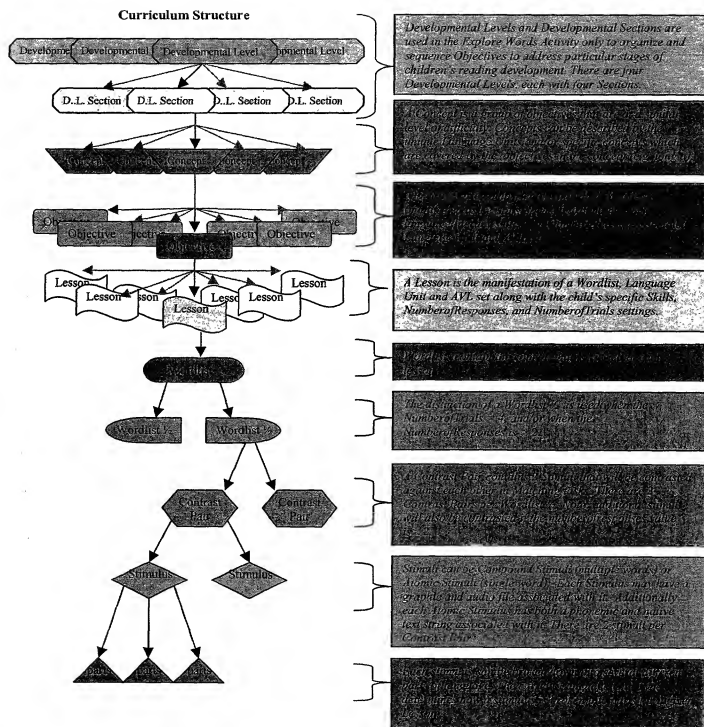




Figure 3.2

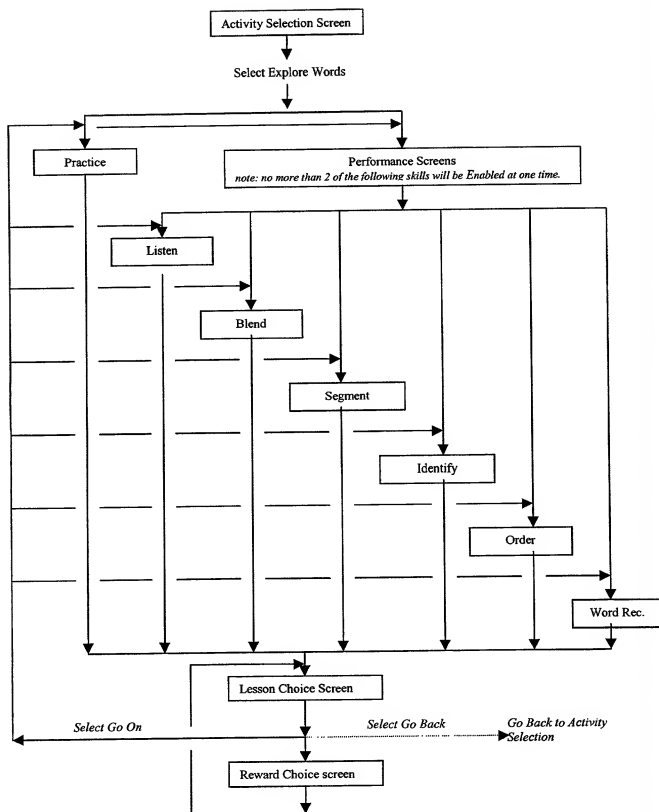


Figure 3.3



EXPLORE  
WORDS  
AREA

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Figure 3.4

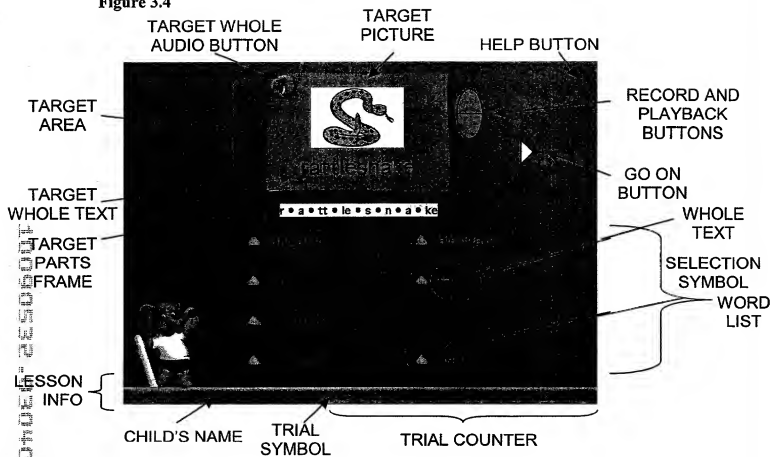


Figure 3.5

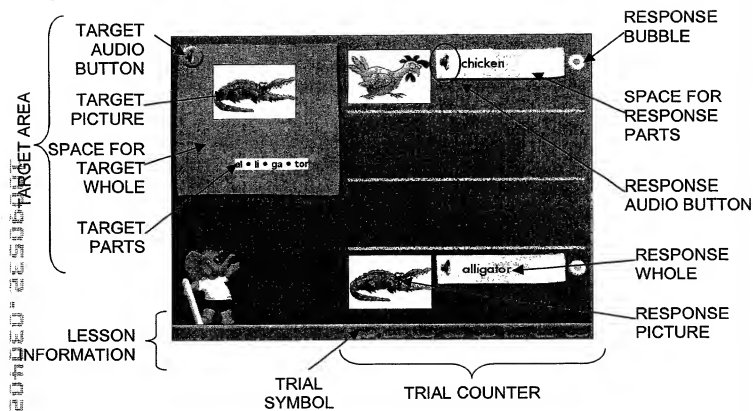


Figure 3.6

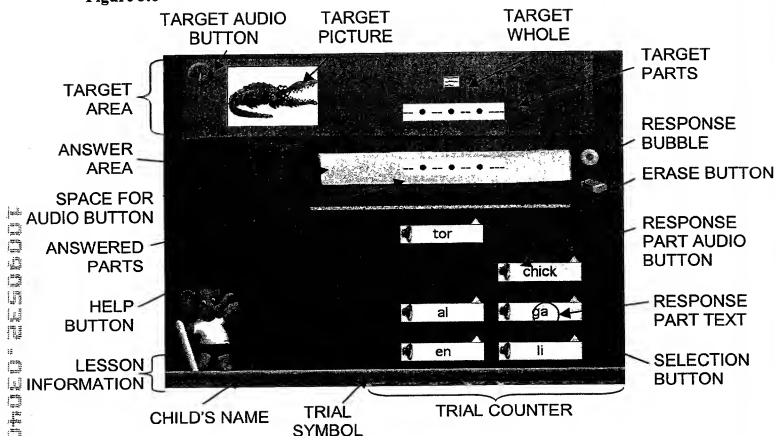
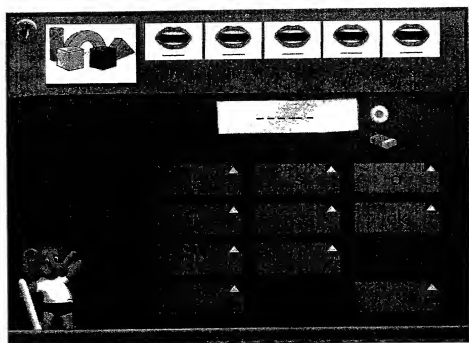


Figure 3.7



10090532-030402

Case	Age	Sex	Duration	Location	Findings	Diagnosis
1	10	F	10 days	Left eye	Corneal opacity, anterior chamber cells	Acute anterior uveitis
2	12	M	15 days	Right eye	Corneal opacity, anterior chamber cells	Acute anterior uveitis
3	15	F	20 days	Left eye	Corneal opacity, anterior chamber cells	Acute anterior uveitis
4	18	M	25 days	Right eye	Corneal opacity, anterior chamber cells	Acute anterior uveitis
5	20	F	30 days	Left eye	Corneal opacity, anterior chamber cells	Acute anterior uveitis
6	22	M	35 days	Right eye	Corneal opacity, anterior chamber cells	Acute anterior uveitis
7	25	F	40 days	Left eye	Corneal opacity, anterior chamber cells	Acute anterior uveitis
8	28	M	45 days	Right eye	Corneal opacity, anterior chamber cells	Acute anterior uveitis
9	30	F	50 days	Left eye	Corneal opacity, anterior chamber cells	Acute anterior uveitis
10	32	M	55 days	Right eye	Corneal opacity, anterior chamber cells	Acute anterior uveitis
11	35	F	60 days	Left eye	Corneal opacity, anterior chamber cells	Acute anterior uveitis
12	38	M	65 days	Right eye	Corneal opacity, anterior chamber cells	Acute anterior uveitis
13	40	F	70 days	Left eye	Corneal opacity, anterior chamber cells	Acute anterior uveitis
14	42	M	75 days	Right eye	Corneal opacity, anterior chamber cells	Acute anterior uveitis
15	45	F	80 days	Left eye	Corneal opacity, anterior chamber cells	Acute anterior uveitis
16	48	M	85 days	Right eye	Corneal opacity, anterior chamber cells	Acute anterior uveitis
17	50	F	90 days	Left eye	Corneal opacity, anterior chamber cells	Acute anterior uveitis
18	52	M	95 days	Right eye	Corneal opacity, anterior chamber cells	Acute anterior uveitis
19	55	F	100 days	Left eye	Corneal opacity, anterior chamber cells	Acute anterior uveitis
20	58	M	105 days	Right eye	Corneal opacity, anterior chamber cells	Acute anterior uveitis

## Responses

- = Failed

Neutral/Passed

[illegible]

Category	Sub-category	Value
Total	Mean	10.0
	Standard deviation	1.0
Group 1	Mean	10.0
	Standard deviation	1.0
Group 2	Mean	10.0
	Standard deviation	1.0
Group 3	Mean	10.0
	Standard deviation	1.0
Group 4	Mean	10.0
	Standard deviation	1.0
Group 5	Mean	10.0
	Standard deviation	1.0
Group 6	Mean	10.0
	Standard deviation	1.0
Group 7	Mean	10.0
	Standard deviation	1.0
Group 8	Mean	10.0
	Standard deviation	1.0
Group 9	Mean	10.0
	Standard deviation	1.0
Group 10	Mean	10.0
	Standard deviation	1.0

[illegible]



[illegible]

Figure 3.9.1

# Progression within a Skill

## Key

LU = language unit type  
BA = beginning AVL specific to the current Skill/LU combination

Start New Lesson  
Objective N (LU specified here), Wordlist N  
Settings:  
Easiest Enabled Skill for LU, Hardest Enabled Skill for LU, Beginning AVL for Skill/LU combination, NumberofResponses, NumberofTrials

Practice Task

Performance Task; Easiest Enabled Skill for LU

same behavior until question is answered correctly at any AVL or incorrectly at AVL1

Trial 1  
avl = BA

Failure & avl > 1

Trial 1  
avl = BA-1

Failure & avl > 1

Trial 1  
avl = BA-X

Pass: Trial = Successful  
OR  
Failure at avl 1: Trial = Failed  
record the Ending AVL

Pass  
OR  
Failure at avl 1  
record the Ending AVL

Trial = Failed

## Evaluate for BA alteration

- IF 3 of 3 or 3 of 4 Consecutive Trials = Successful  
Increase BA by 1 and reset Consecutive Trial History UNLESS BA is already Target AVL. If so, make no change and do not reset History.
- IF 2 of 2 or 2 of 3 Consecutive Trials = Failed  
Decrease BA to the highest Ending AVL from the two failed trials (in Ordering Task, reduce the BA by 1) and reset Consecutive Trial History UNLESS BA is already AVL1. If so, make no change and do not reset History.

note: consecutive Trials includes Trials from previous Lessons with the same Skill/LU combination.

Trial 2  
avl = BA

same behavior for each trial as Trial 1 above.  
NumberofTrials value will determine if 4 or 8 trials.

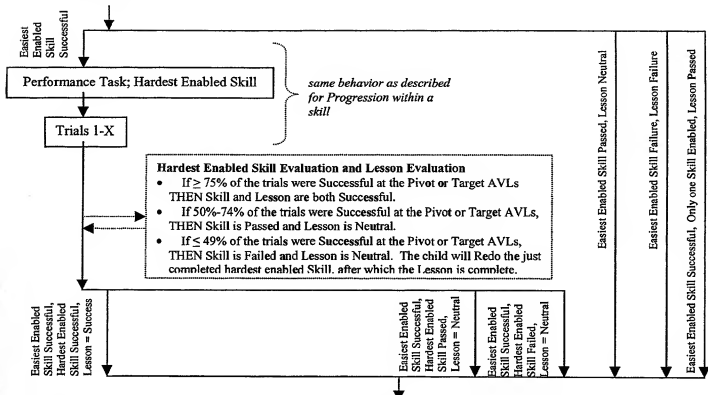
Final Trial  
avl = BA

## Easiest Enabled Skill Evaluation and Lesson Evaluation

- If  $\geq 75\%$  of the trials were Successful at the Pivot or Target AVLs  
THEN Skill is Successful.  
Go to Hardest Enabled Skill for current LU in the same Lesson  
OR  
If only 1 skill is Enabled, both Skill and Lesson are Successful.
- If  $< 75\%$  and  $\geq 50\%$  of the trials were Successful at the Pivot or Target AVLs  
THEN Skill is Passed and Lesson is Neutral.
- If  $< 50\%$  of the trials were Successful at the Pivot or Target AVLs  
THEN Skill is Failed and Lesson is Failed. The child will Redo the just completed Easiest Enabled Skill, after which the lesson is complete and the child continues to the next Lesson.

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Figure 3.9.2



#### Changes to NumberofResponses based on Lesson Evaluation

Once either of the following conditions have been invoked, no further changes will be made to the NumberofResponses until at least two more consecutive Lessons have been Successful or Failed. If 2 out of 2 or 2 out of 3 consecutive Lessons have been:

1. Successful AND the NumberofResponses  $< 4$ , THEN increase NumberofResponses by 1.
2. Failed AND the NumberofResponses  $> 2$ , THEN reduce NumberofResponses by 1.

Otherwise, no the NumberofResponses will not change.

#### Changes to Skills and Placement based on Lesson Evaluation

Once any of the following rules are applied, clear the Consecutive Lesson History.

If 3 of 3 or 3 of 4 Consecutive Lessons within the same LU = Successful, apply the following rules in order:

1. If the enabled Skills for the current LU are not the hardest available Skills, THEN
  - Easiest Enabled Skill is disabled
  - Hardest Enabled Skill becomes the Easiest Enabled Skill
  - Next most difficult available skill becomes the new Hardest Enabled skill
  - Child goes through new Hardest Enabled skill with current wordlist, after which Lesson is complete (but not re-evaluated).
2. If the Enabled Skills = the Hardest Available Skills, THEN the child will go to the first Lesson in the next sequential Objective. If the child has triggered an objective change three times out of the last 9-12 consecutive lessons, AND the child has not had a progression prompted assessment within the last week, AND the child's current curriculum placement is before the part of the curriculum, schedule an Assessment for next session. An update will be sent to the teacher informing her of the Assessment.

If 2 of 2 or 2 of 3 Consecutive Lessons = Failed, apply the following rules in order:

1. If the Enabled Skills for the current LU are not the Easiest Available Skills THEN
  - Hardest Enabled Skill is disabled
  - Easiest Enabled Skill becomes the Hardest Enabled Skill
  - Next least difficult available skill becomes the new Easiest Enabled skill.
2. If the Enabled Skills = the Easiest Available Skills, THEN schedule an assessment for next session. An update will be sent to

All cases (except point 2 under Success above)

Cases 2 under Success above

Start New Lesson: Go to the next Lesson in the same Objective. Same Rules as above.

Start New Lesson: Go to the first Lesson in the next Objective. Same Rules as above.

Figure 4.1

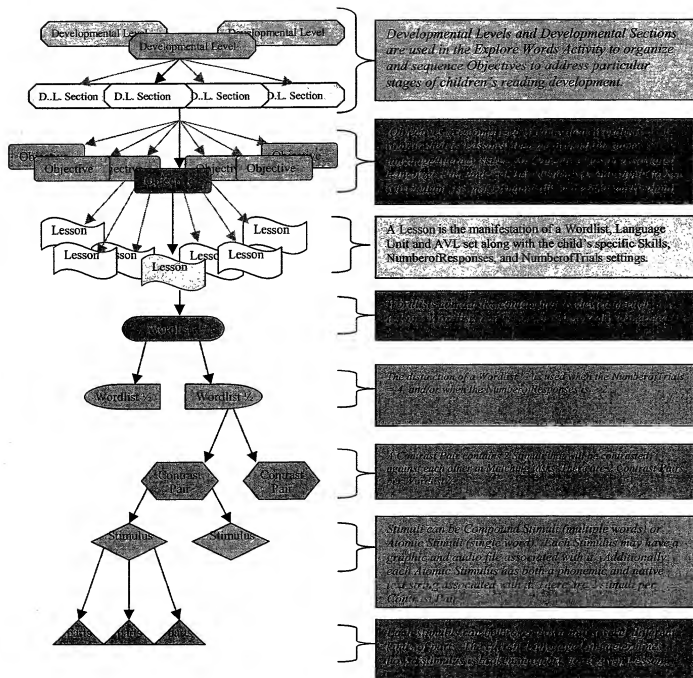


Figure 4.2

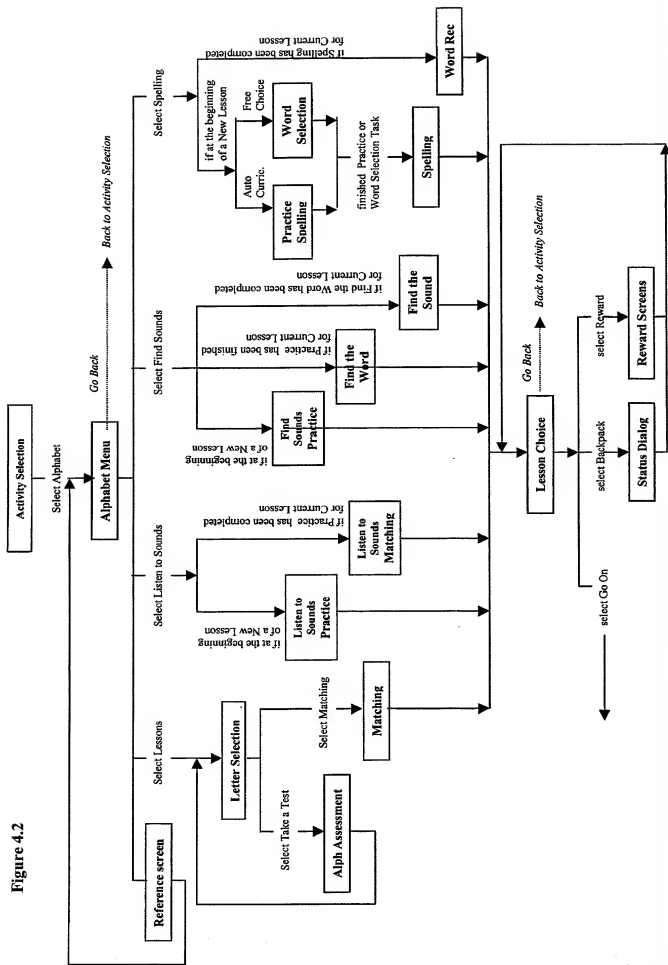


Figure 4.3

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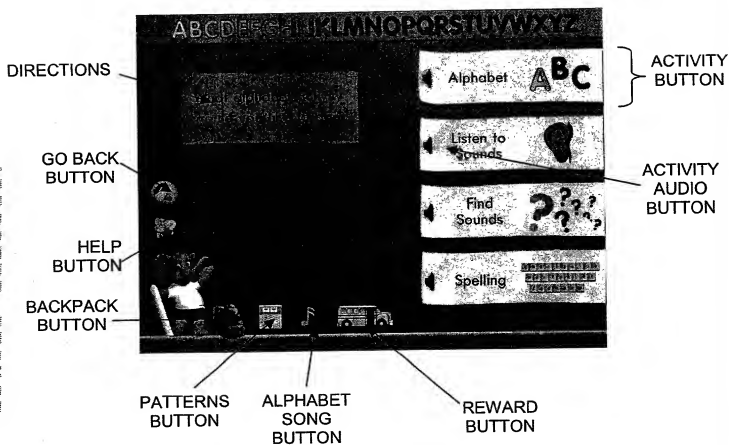


Figure 4.4

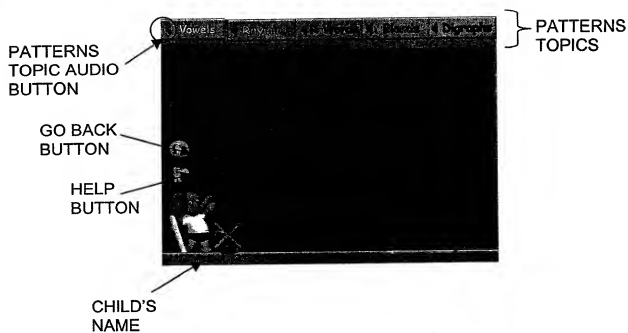


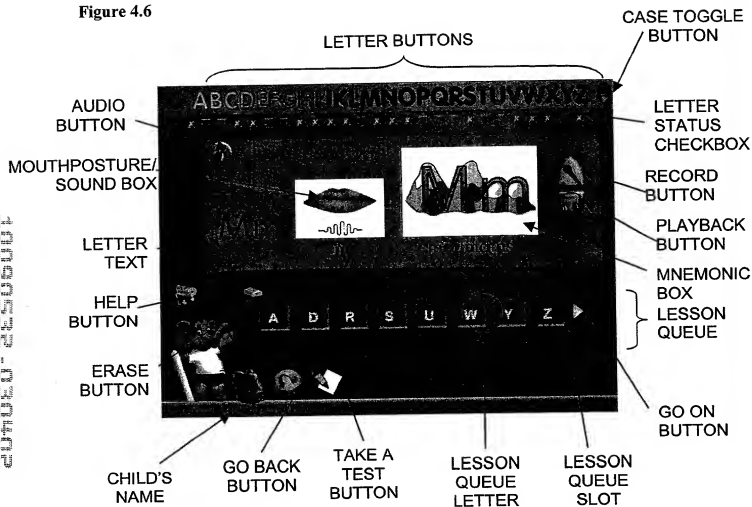
Figure 4.5



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Figure 4.6



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Figure 4.7

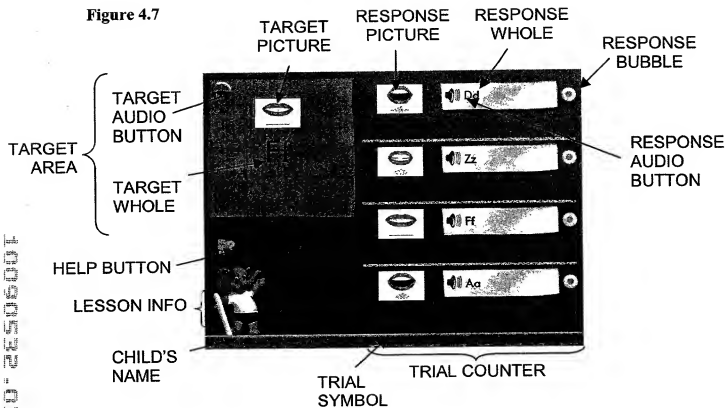


Figure 4.8

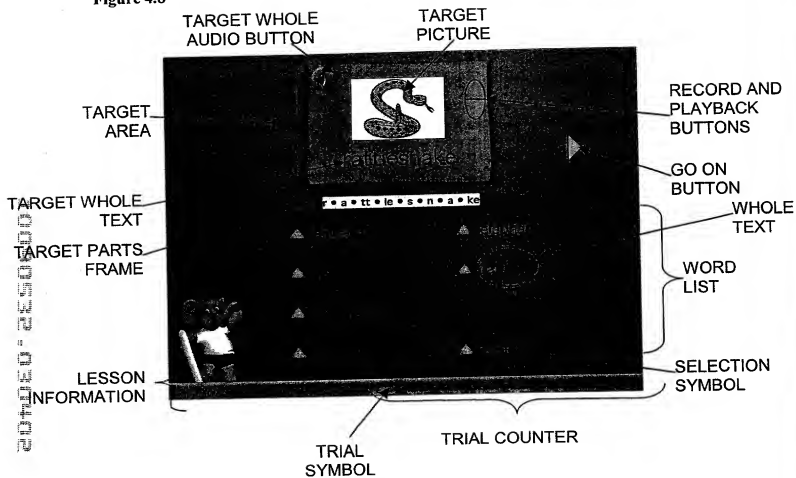


Figure 4.9

TARGET PARTS  
MOUTHPOSTURE  
POSTURES

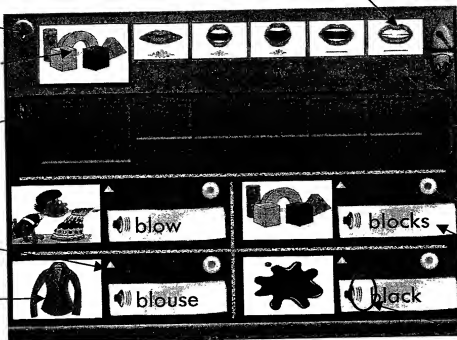
TARGET AUDIO  
BUTTON

TARGET  
PICTURE

EXPLORE  
RESPONSE  
AUDIO BUTTON

RESPONSE  
SELECTION  
BUTTON

RESPONSE  
PICTURE



RECORD AND  
PLAYBACK  
BUTTONS

TARGET PARTS  
TEXT

EXPLORE  
RESPONSE  
AREA

RESPONSE  
BUBBLE

RESPONSE  
WHOLE  
TEXT

TRIAL COUNTER

FILLED IN EXPLORE  
RESPONSE AREA

RESPONSE  
AUDIO  
BUTTON



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Figure 4.10



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Figure 4.11

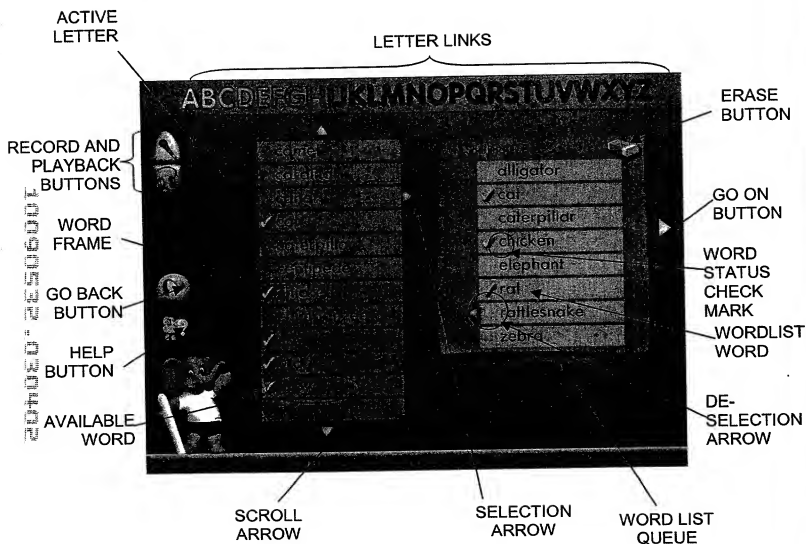


Figure 4.12

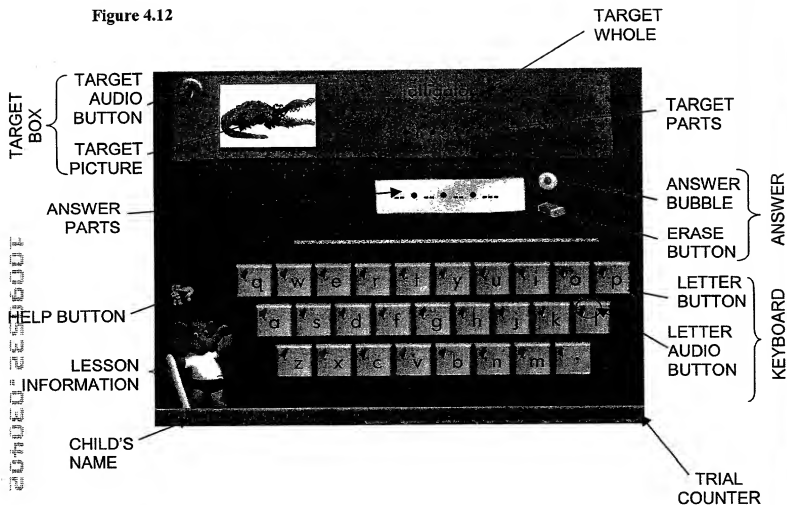


Figure 5.1

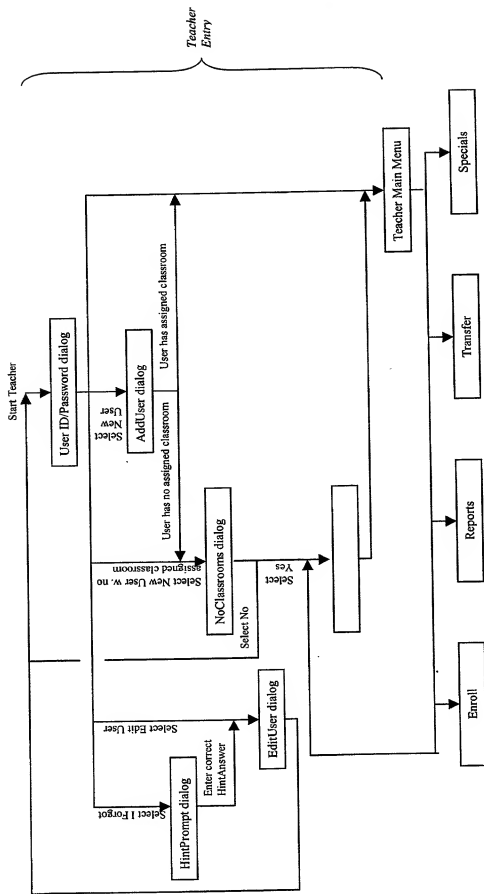




Figure 5.2

<b>Teacher</b>	Selected Class: Ms. Frizzle of Washington Elementary ▾	Selected Child(ren): 10/14/00 ▾
	<b>Teacher Main Menu</b>	
Enroll Reports Transfer Specials	<p>Please select an area of Teacher to work in:</p> <p><u>E</u>nroll allows you to add, view or edit children's records. <u>R</u>eports allows you to view children's activity. <u>T</u>ransfer allows you to move children from one computer to another. <u>S</u>pecials allows you to do specific technical functions like Yearend and backing-up a database.</p> <p>To Edit or Create a new classroom, select the ▾ symbol in the Selected Class field above.</p>	
<input type="button" value="Print"/>		<input type="button" value="Exit"/>

Figure 5.3

<b>Teacher</b> Enroll Reports Transfer Specials		Selected Class: <b>Ms. Fizzle of Washington Elementary</b> BTL Demo Class Ms. Fizzle of Washington Elementary Room 203 of Washington Elementary Miss. Popple* A.M. class of Johnson Elementary Miss. Popple* P.M. class of Johnson Elementary Miss. Smith of Washington Elementary Miss. Smith of Washington Elementary Mr. Travelling Aid of Multiple Schools	Selected Child(ren): 10/14/00
In Menu work in: edit children's records. children's activity. children from one computer to another. children from one computer to another.		Specials shows you no specific technical functions like Yearend and backing-up a database.	
Print			

To Edit or Create a new classroom, select the ▾ symbol in the Selected Class field above.

Figure 5.4

<b>Teacher</b>		Selected Class: <input type="text" value="Ms. Frizzle of Washington Elementary"/> Selected Children: <input type="text" value=""/>	
<div>↑ <b>Enroll</b></div> <ul style="list-style-type: none"><li>• Class</li><li>• List</li><li>• Schedule</li><li>• Assessment</li><li>• Edit</li></ul> <p>Reports Transfer Specials</p>		<div>10/14/00</div> <div><b>Enroll - Class List</b></div> <div><input type="button" value="Add Child"/> <input type="button" value="Class Settings"/> <input type="button" value="Edit Child"/> <input type="button" value="Delete Child"/></div> <p>Currently, there are no children assigned to this Class.</p>	
<input type="button" value="Print"/> <input type="button" value="Exit"/>			

Figure 5.5

**Teacher****Enroll**

- **Class List**
- Schedule
- Assessment
- Edit

**Reports**

Transfer  
Specials

Selected Class: **Ms. Frizzle of Washington Elementary**

Selected Child(ren):

10/14/00

**Enroll - Class List**

Currently, there are no children assigned to this Class.



Edit Child

Delete Child

**Add Child Dialog**

First Name	M.I.	Last Name
Birthdate	Gender	Grade
Age	Color	Native English Speaker?
Print Experience	Writing Experience	
Special Name	Listen to Name	

Print





Figure 5.8

Teacher		Selected Class: <u>Ms. Frizzle of Washington Elementary</u> <input type="checkbox"/>		Selected Child(ren): <u>All</u> <input type="checkbox"/>	
<b>Enroll</b> • <b>Class List</b> • <b>Schedule</b> • <b>Assessment</b> • <b>Edit</b> <b>Reports</b> <b>Transfer</b> <b>Specials</b>		<b>Enroll - Class List</b> <div> <div> <div>Child</div> <div>Color</div> <div>Alison Wonderland</div> <div>Red</div> </div> <div> <div>Boy Blue</div> <div>Blue</div> </div> <div> <div>Dorothy Gale</div> <div>Green</div> </div> <div> <div>Harry Potter</div> <div>Purple</div> </div> <div> <div>Huckleberry Finn</div> <div>Red</div> </div> <div> <div>James N. Gump</div> <div>Green</div> </div> <div> <div>Laura Ingalls</div> <div>Yellow</div> </div> <div> <div>Mary Contrary</div> <div>Purple</div> </div> <div> <div>Simon Simple</div> <div>Blue</div> </div> </div>			

Figure 5.9

<b>Teacher</b> Selected Class: <b>Ms. Frizzle of Washington Elementary</b>		Selected Child(ren): <b>All</b>	
<b>Enroll</b> • Class • Schedule • Assessment • Edit		<b>Enroll - Edit</b> All Alison and Harry Spellers Non-Native Speakers Allison Wonderland Boy Blue Dorothy Gale <del>Huckleberry Finn</del> <del>Huckleberry Finn</del> James N. Gump Laura Ingalls Mary Contrary Simon Simple Child A Child B Child C Child D Child E	
<b>Time Limits</b> Reports Transfer Specials		Session Time: 20 min Reward Time: Activities Stories: On Explore Words: On Alphabet: variable settings Rewards: On with variable settings Edit Settings	
Print Exit		Canceled Select Save Group Edit Group To save a new group, select the children you want in that	





Figure 5.11

<p><b>Teacher</b></p> <p><b>Enroll</b></p> <ul style="list-style-type: none"> <li>• Class List</li> <li>• Schedule</li> <li>• Assessment</li> <li>• <b>Exit</b></li> </ul>	<p>Selected Class: <span style="border: 1px solid black; padding: 2px;">Ms. Frizzle of Washington Elementary</span> ▾</p>	<p>Selected Child(ren): <span style="border: 1px solid black; padding: 2px;">Harry Potter</span> ▾</p>	<p style="text-align: center;"><b>Enroll – Edit; Stories</b></p> <p style="text-align: right;">10/14/00</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;">Activity</th> <th style="width: 20%;">Status</th> <th style="width: 40%;"></th> </tr> </thead> <tbody> <tr> <td><b>Listen to Stories:</b></td> <td>On for all books.</td> <td><span style="border: 1px solid black; padding: 2px;">Edit Listen to Stories</span></td> </tr> <tr> <td><b>Tell Stories:</b></td> <td>On for all books after book has been completed 2 times.</td> <td><span style="border: 1px solid black; padding: 2px;">Edit Tell Stories</span></td> </tr> <tr> <td><b>Comprehension:</b></td> <td>On for all books after book has been completed 2 times.</td> <td><span style="border: 1px solid black; padding: 2px;">Edit Comprehension</span></td> </tr> <tr> <td><b>Preview:</b></td> <td>Optional. The Child will determine the focus.</td> <td><span style="border: 1px solid black; padding: 2px;">Edit Preview</span></td> </tr> </tbody> </table>	Activity	Status		<b>Listen to Stories:</b>	On for all books.	<span style="border: 1px solid black; padding: 2px;">Edit Listen to Stories</span>	<b>Tell Stories:</b>	On for all books after book has been completed 2 times.	<span style="border: 1px solid black; padding: 2px;">Edit Tell Stories</span>	<b>Comprehension:</b>	On for all books after book has been completed 2 times.	<span style="border: 1px solid black; padding: 2px;">Edit Comprehension</span>	<b>Preview:</b>	Optional. The Child will determine the focus.	<span style="border: 1px solid black; padding: 2px;">Edit Preview</span>
Activity	Status																	
<b>Listen to Stories:</b>	On for all books.	<span style="border: 1px solid black; padding: 2px;">Edit Listen to Stories</span>																
<b>Tell Stories:</b>	On for all books after book has been completed 2 times.	<span style="border: 1px solid black; padding: 2px;">Edit Tell Stories</span>																
<b>Comprehension:</b>	On for all books after book has been completed 2 times.	<span style="border: 1px solid black; padding: 2px;">Edit Comprehension</span>																
<b>Preview:</b>	Optional. The Child will determine the focus.	<span style="border: 1px solid black; padding: 2px;">Edit Preview</span>																
<div style="display: inline-block; border: 1px solid black; padding: 5px 10px; margin-right: 10px;">Print</div> <div style="display: inline-block; border: 1px solid black; padding: 5px 10px;">Exit</div>																		

Print

**Figure 5.13**

The screenshot shows the 'Teacher' interface. On the left, the 'Enroll' menu is open, showing options: 'Class List', 'Schedule Assessment', and 'Edit'. Below this is a navigation bar with 'Stories', 'Explore', 'Words', and 'Alphabet'. The 'Stories' button is highlighted. The main area displays the 'Select Specific Stories Dialog'. At the top, it says 'For which Stories do you want Tell to be available?'. Below this are two tables. The first table, 'Tell Will be Available for:', lists book titles and levels. The second table, 'Tell Will not be Available for:', lists book titles and levels. Arrows indicate moving items between the two tables. At the bottom, there is a 'Cancel' button and a 'Print' button.

**Teacher**

- Enroll
  - Class List
  - Schedule Assessment
  - Edit
- Stories
- Explore
- Words
- Alphabet

**Select Specific Stories Dialog**

For which Stories do you want Tell to be available?

Book Title	Level
A Game for Jamie	12
Lilacs, Louises and Ladybugs	15
The Little Yellow Chicken	7
Matthew Henson	17
Rescue Science	18
A Wetland Home	14

move

Book Title	Level
Book Title	13
Book Title	10
A Quilt for Christy	11
Summer Sands	

move

Highlight a Book Title by clicking on the Title once, then select one of the Move arrows.

Cancel

Print

Figure 6.1

Teacher Flow Chart

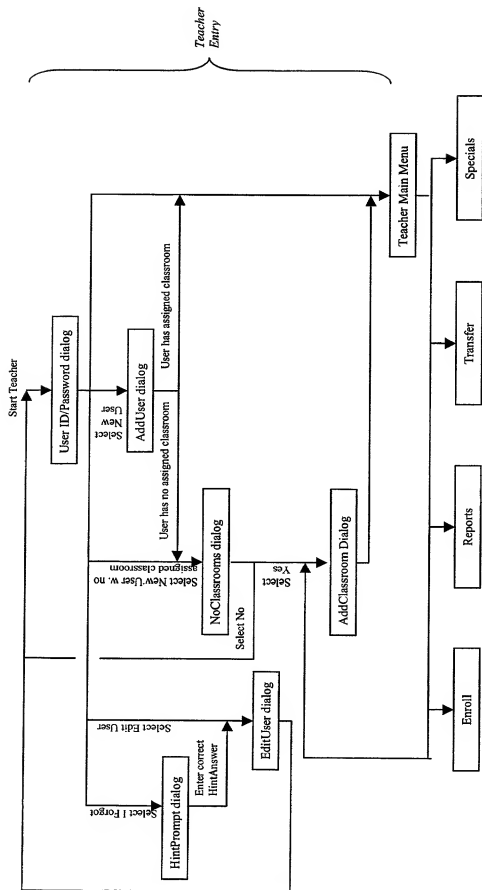


Figure 6.2

204000-22506001

<b>Teacher</b>	Selected Class: <b>Ms. Frizzle of Washington Elementary</b>	Selected Child(ren): <div> <div></div> <div>10/14/00</div> </div>
Enroll Reports Transfer Specials	<div> <div>Teacher Main Menu</div> <div> <p>Please select an area of Teacher to work in:</p> <p><u>Enroll</u> allows you to add, view or edit children's records.</p> <p><u>Reports</u> allows you to view children's activity.</p> <p><u>Transfer</u> allows you to move children from one computer to another.</p> <p><u>Specials</u> allows you to do specific technical functions like Yearend and backing-up a database</p> </div> <div> <p>To edit or create a new classroom, select the ▾ symbol in the Selected Class field above.</p> </div> </div>	
<div>Print</div> <div>Exit</div>		

Figure 6.3

20100201 20100201

- Key:
- ⇒ indicates roll over data available (disappears after cursor leaves spot)
  - indicates a list is available
  - ✓ indicates the table can be expanded to include more data
  - △ indicates the table can be retracted to include less data

Teacher

Enroll

Reports

- Updates
- History
- Summary
- Parent Lett
- Stories
- Explore
- Words
- Alphabet
- Assessment

Transfer

Selected Class: Ms. Fizzle of Washington Elementary

Selected Child(ren): Harry Potter

10/14/00

Reports -- Updates

Click on an Update to address that update.

Child	Date	Update
Dorothy Gale	10/3/00	Suggested move in Explore Words Curriculum.
Dorothy Gale	10/10/00	Not Using Preview.
Harry Potter	10/6/00	Suggested move to Spelling Free Choice.

School Rep.

Date Range

Print

Exit





Figure 6.5

<b>Teacher</b>		Selected Class: <b>Ms. Frizzle of Washington Elementary</b>	Selected Child(ren): <b>All</b>
<b>Enroll</b>		<b>10/14/00</b>	
<b>Reports</b>		<b>Reports - Stories: Group Summary</b>	
<ul style="list-style-type: none"> <li>• Updates</li> <li>• Summary</li> <li>• Parent Letter</li> <li>• Stories</li> <li>• Comprehension</li> <li>• Exploration Patterns</li> <li>• Vocabulary</li> <li>• Explore Words</li> <li>• Alphabet</li> <li>• Assessment</li> </ul>		<ul style="list-style-type: none"> <li>• Book Totals</li> <li>• Listen, Tell and Comprehension Summary</li> </ul>	
<div>School Rep.</div> <div>Date Range</div> <div>Print</div> <div>Exit</div>			



Figure 6.7

Teacher		Selected Class: Ms. Frizzle of Washington Elementary		Selected Child(ren):		All								
<div> <div>Enroll</div> <div> <div>Reports</div> <ul style="list-style-type: none"> <li>• Updates</li> <li>• Summary</li> <li>• Parent Letter</li> <li>• Stories</li> <li>• Comprehensive</li> <li>• Exploration Patterns</li> <li>• Vocabulary</li> <li>• Explore Words</li> <li>• Alphabet</li> </ul> </div> </div>								<div> <div>10/14/00</div> <div>Reports - Stories: Group Summary</div> </div>						
Book Totals		Fiction		Non-Fiction										
		Adventures		Folktales		Biography								
		Friendships		Poetry		Living Things								
		Making History		Science										
Total		29		28		40								
# Bks/Chpt Finished		320		42		16								
# Bks/Chpt Started		127		12		24								
		6		2		10								
		55		20		41								
Story Activity Overview														
Time		Explorations		Support Snapshot										
# of Books/Chapters		Listen & Tell		Preview		Vocabulary								
		Explorations		Explorations		Questions Answered								
Child		Finished		Started		Comprehension								
Average		#####		#####		#####								
Allison		#####		#####		#####								
Wonderland		#####		#####		#####								
Boy Blue		#####		#####		#####								
Dorothy Gale		#####		#####		#####								
Harry Potter		#####		#####		#####								
Huckleberry Finn		#####		#####		#####								
James N		#####		#####		#####								
Giantpeach		#####		#####		#####								
Laura Ingalls		#####		#####		#####								
Mary Contrary		#####		#####		#####								
Child A		#####		#####		#####								

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2
--	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	---

[illegible]

Figure 6.9

Selected Class: <input type="text" value="Ms. Frizzle of Washington Elementary"/> Selected Child(ren): <input type="text" value="Harry Potter"/>	
10/14/00	
Compute Class Averages	
<b>Reports – Stories:</b> <b>Individual Summary</b>	
Time	Total Story Time: 5:30
Total Time in All Activities:	Percent of Time in Stories: 51%
Most Frequently Read Stories	
Title	Category
Summer Sands	Fiction: Friendship
The Day Martin Luther King Jr. Died	Non-Fiction: Biography
Dinosaur Detectives	Non-Fiction: Science
Bold Titles = featured books	
Listen, Tell and Comprehension Comparisons	
Listen	Tell
Total Time in Listen: 3:00	Total Time in Tell: 2:00
Percentage of Story Time: 55%	Percentage of Story Time: 36%
Number of Books Finished #: 26	Number of Books Finished #: 20
Number of Books Started: 14	Number of Books Started: 2
Explorations: 555	Explorations & Recordings: 100
Total Time in Comprehension: 0:30	Total Time in Comprehension: 0:30
Percentage of Story Time: 9%	Percentage of Story Time: 9%
#of Books Entered/Available #: 5/8	#of Books Entered/Available #: 5/8
Questions Answered: 80	Questions Answered: 80
Explorations: 200	Explorations: 200

Figure 6.10

<b>Teacher</b> Enroll Reports • Updates • Summary • Parent		Selected Class: <u>Ms. Frizzle of Washington Elementary</u> Selected Child(ren): <u>Harry Potter</u> 10/14/00 Compute Class Averages	
<b>Reports - Stories:</b> <b>Individual Summary</b>			
Time	10:45	Total Story Time:	5:30
Total Time in All Activities:		Percent of Time in Stories: 51%	
Most Frequently Read Stories		Category	Number of Times Finished
Title		Fiction: Friendship	6
Summer Sands		Non-Fiction: Biography	3
The Day Martin Luther King Jr. Died		Non-Fiction: Science	3
Dinosaur Detectives			
Bold Titles = featured books			
Listen, Tell and Comprehension Comparisons		Tell	Comprehension
A		A	A
<b>Listen</b>			
Total Time in Listen:	3:00	Total Time in Tell:	2:00
Percentage of Story Time:	55%	Percentage of Story Time:	36%
Number of Books Finished =:	26	Number of Books Finished =:	20
Number of Books Started:	14	Number of Books Started:	2
Explorations:	555	Explorations & Recordings:	100
		Total Time in Comprehension:	0:30
		Percentage of Story Time:	9%
		# of Books Entered/Available =:	5/8
		Questions Answered:	80
		Explorations:	200

Figure 6.11

<b>Teacher</b> Enroll Reports • Updates • Summary • Percent Letter Stories Comprehension Exploration Patterns Vocabulary Explore Words Alphabet Assessment		Selected Class: <b>Ms. Frizzle of Washington Elementary</b> ▾ Selected Child(ren): <b>Harry Potter</b> ▾ 10/14/00 Compute Class Averages <b>Reports – Stories: Individual Summary</b> Time Total Time in All Activities: 10:45 Total Story Time: 5:30 Percent of Time in Stories: 51% + Most Frequently Read Stories	
Listen, Tell and Comprehension Comparisons <b>Listen</b> Total Time in Listen: 3:00 Percentage of Story Time: 53% Number of Books Finished #: 26 Number of Books Started: 14 Explorations: 555 Average Time/Book (min:ss): 4:30		Tell Total Time in Tell: 2:00 Percentage of Story Time: 36% Number of Books Finished #: 20 Number of Books Started: 2 Explorations & Recordings: 100 Average Time/Book: 4:30	
School Rep. Date Range Print Exit		Comprehension Total Time in Comprehension: 0:30 Percentage of Story Time: 9% #of Books Entered/Available #: 5/8 Questions Answered: 80 Explorations: 200 Average Time/Question (min:ss): 1:30	

Figure 6.12

**Teacher**

Enroll

Reports

- Updates
- Summary

Percent

Lessons

- Stories
- Comprehension
- Exploration Patterns
- Vocabulary
- Explore Words
- Alphabet
- Assessment

Selected Class: Ms. Fritzle of Washington Elementary ▾

Selected Child(ren): Harry Potter ▾

10/14/00

Compute Class Averages

**Reports – Stories: Comprehension**

Time

Total Time in All Activities: 10:45    Total Comprehension Time: 0:30    Percent of Time in Comprehension: 5%

Comprehension Levels

**Category** S    **Level of Difficulty**    **Question Type**

**Table 1**    *Scanned from Washington Elementary*

*Number of Unique Books Used/Available for Comprehension: 5/8*

School Rep.

Date Range

Print

Exit

Category	Number of Questions	Explorations		Hint	Level of Support			
		Question	Answer		Oral	Oral – Print	Print	
<b>Total</b>	80	210	20	100	90	6%	62%	39%
Biographies =	36	166	10	144	12	15%	60%	15%
Folktales =	14	18	3	10	5	5%	75%	20%
Friendships =	40	245	20	200	25	15%	80%	0%
Science =	10	75	5	50	20	40%	50%	NA

More Comprehension Details



[illegible]

## More Comprehension Details



Figure 6.15

<b>Teacher</b> Enroll Reports <ul style="list-style-type: none"> <li>• Updates</li> <li>• Summary</li> <li>• Letter</li> <li>• Stories</li> <li>• Comprehension</li> <li>• Exploration Patterns</li> <li>• Vocabulary</li> <li>• Explore Words</li> <li>• Alphabet</li> <li>• Assessment</li> </ul>	Selected Class: <u>Ms. Frizzle of Washington Elementary</u>	Selected Child(ren): <u>Harry Potter</u>	10/14/00
	Compute Class Averages		
<b>Reports - Stories: Comprehension</b>			
Time Total Time in All Activities: <u>10:45</u>		Total Comprehension Time: <u>0:30</u> Percent of Time in Comprehension: <u>5%</u>	
Comprehension Levels Categories		Level of Difficulty Question Type	
Number of Unique Books Used/Available Comprehension: 5/8			
Question Type Total Total Inferential Factual		Explorations Question Answer Hint Total 210 150 60 20 15 5 100 75 25 90 60 30	
Level of Support Oral Oral - Print Print 6% 62% 39% 14% 69% 17% NA 55% 61%			
+ More Comprehension Details			





**Figure 6.18**

[illegible]

Figure 6.19

<b>Teacher</b> Enroll Reports • Updates • Summary • Parent • Letter • Stories • Comprehensive • Exploration Patterns • Vocabulary • Explore Words • Alphabet • Assessment		Selected Class: <u>Ms. Frizzle of Washington Elementary</u> ▾ Selected Child(ren): <u>Harry Potter</u> ▾ 10/14/00 Compute Class Averages <b>Reports – Stories: Exploration Patterns</b> Total Time in All Activities: <u>10:45</u> Total Story Time: <u>5:30</u> Percent of Time in Stories: <u>51%</u>	
+ Book Exploration Word and Preview Exploration Word Exploration Preview Exploration Book		Times Finished Total Sentence Syllables Onset Rime Explorations Sounds High Frequency	
School Rep. Date Range Print Exit		44 170 72 70 60 71 65	

**Figure 6.20**

Teacher

Selected Class:

Ms. Frizzle of Washington Elementary

Selected Child(ren):

Harry Potter

10/14/00

Time

Total Time in All

Stories

10/14/00

Stories:

51%

Print

These are your Current Settings:

Current Child(ren):

Harry Potter

Current Date Range:

10/14/00 - 10/14/00

Change Date Range

Which of the following Reports do you want to Print?

☐ All of the Exploration Patterns Reports

☐ Exploration Pattern Time

Book Exploration

All Table

Category Table

Level Table

Word and Preview Exploration

Word Exploration Table

Word Exploration More

Preview Exploration Table

Preview Exploration More

Word and Preview

Book

School Rep.

Date Range

Print

Exit

Updates

Summary

Parent Letter

Stories

Comprehension

Exploratio

n Patterns

Vocabulary

Explore

Words

Alphabet

Assessme

Time

Total Time in All

Stories

10/14/00

Stories:

51%

Print

These are your Current Settings:

Current Child(ren):

Harry Potter

Current Date Range:

10/14/00 - 10/14/00

Change Date Range

Which of the following Reports do you want to Print?

☐ All of the Exploration Patterns Reports

☐ Exploration Pattern Time

Book Exploration

All Table

Category Table

Level Table

Word and Preview Exploration

Word Exploration Table

Word Exploration More

Preview Exploration Table

Preview Exploration More

Word and Preview

Book

Average

The Day Martin Luther King Jr. Died

Dinosaur Detectives

46

3

3

170

100

-

25

-

-

20

20

-

50

30

-

21

-

-

55

50

-

Frequency



Figure 7.1

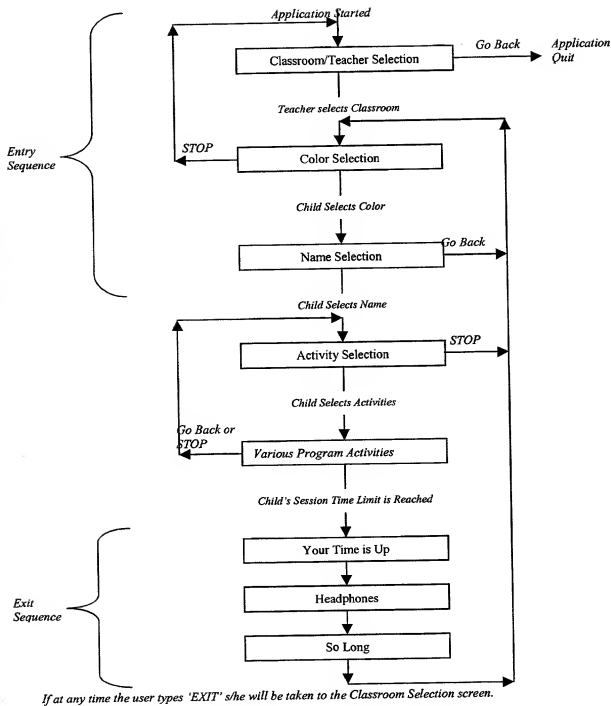
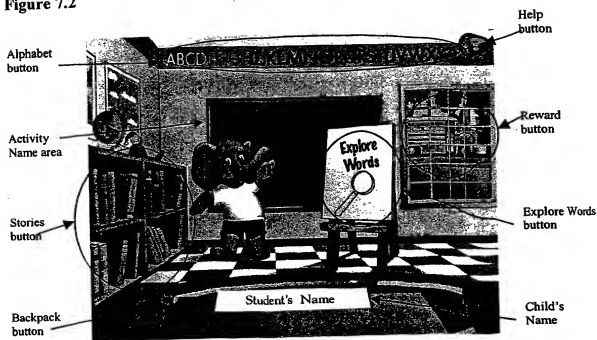


Figure 7.2



10990532 030402

StudentXActivityData	
PK	StudentActivityDataID Counter
FK1	StudentID LONG
FK2	ActivityID LONG
	Date DOUBLE
	Duration DOUBLE
	NumberOfSessions LONG

StudentXBookData		
PK	StudentBookDataID	Counter
FK1	StudentID	LONG
FK2	BookID	LONG
FK3	StudentActivityDataID	LONG
	ChapterNumber	SHORT
	Date	DOUBLE
	Duration	DOUBLE

Tell Data		
PK	TellDataID	Counter
FK1	StudentBookDataID	LONG
	PageExp	LONG
	SentenceExp	LONG
	WordExp	LONG
	RecordingExp	LONG
	PlayExp	LONG
	Date	DOUBLE
	Duration	DOUBLE
	BooksFinished	LONG
	BooksStarted	LONG

		Listen Data	
PK	<u>ListenDataID</u>		Counter
FK1	StudentBookDataID		LONG
	PageExp		LONG
	SentenceExp		LONG
	WordExp		LONG
	Date		DOUBLE
	Duration		DOUBLE
	BooksFinished		LONG
	BooksStarted		LONG

Preview Data		
PK	PreviewDataID	Counter
FK1	StudentBookDataID	LONG
	WholesSentencesExp	LONG
	WholesSyllablesExp	LONG
	WholeOnsetTimeExp	LONG
	WholeSoundsExp	LONG
	WholeHiFrequencyExp	LONG
	PartSentencesExp	LONG
	PartSyllablesExp	LONG
	PartOnsetTimeExp	LONG
	PartSoundsExp	LONG
	PartHiFrequencyExp	LONG
	RecSentencesExp	LONG
	RecSyllablesExp	LONG
	RecOnsetTimeExp	LONG
	PlaySoundsExp	LONG
	PlayHiFrequencyExp	LONG
	Date	DOUBLE
	Duration	DOUBLE
	FocusDeterminer	SHORT

Incomplete Data		
PK	IncompleteData ID	Counter
FK1	StudentBookDataID	LONG
FK2	StorySubActivityID	LONG
	Date	DOUBLE
	Duration	DOUBLE
	Reason	SHORT

Figure 8.1.2

Comprehension Data		
PK	<u>ComprehensionDataID</u>	Counter
FK1	StudentBookDataID	LONG
	Cycle	LONG
	BeginAVL	SHORT
	EndAVL	SHORT
	QuestionExp	LONG
	AnswerExp	LONG
	HintExp	LONG
	Date	DOUBLE
	Duration	DOUBLE
	Response Time	DOUBLE
	IsCorrect	BIT
	InCompletedTask	BIT
	QuestionNumber	SHORT
	QuestionType	SHORT

A

StudentStateData		
PK FK1	<u>StudentID</u>	LONG
PK FK2	<u>BookID</u>	LONG
PK	<u>ChapterNumber</u>	SHORT
	BeginAVL	SHORT
	TaskAVL	SHORT
	ListenBookmark	SHORT
	TellBookmark	SHORT
		SHORT
		SHORT
	TrialCounter	SHORT
	Last Trial	SHORT
	TrialAVL1	SHORT
	TrialAVL2	SHORT
	TrialAVL3	SHORT
	TrialAVL4	SHORT
	IsBookStartedListen	BIT
	IsBookStartedTell	BIT
	Cycle	LONG
	TimesCompleted	LONG

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Figure 8.2.1

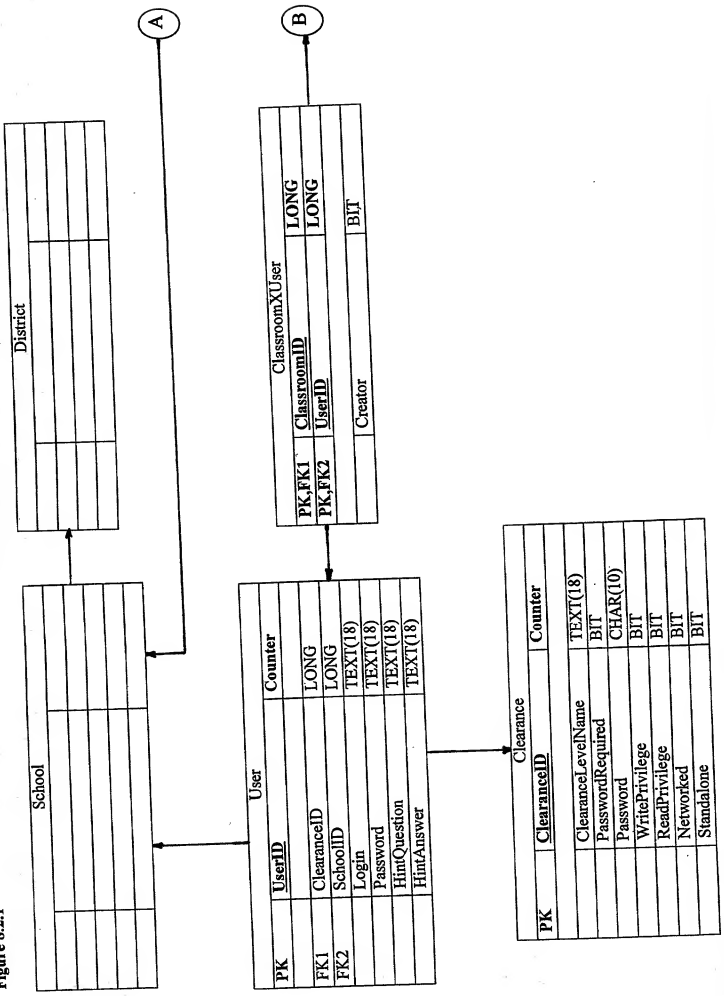


Figure 8.2.2

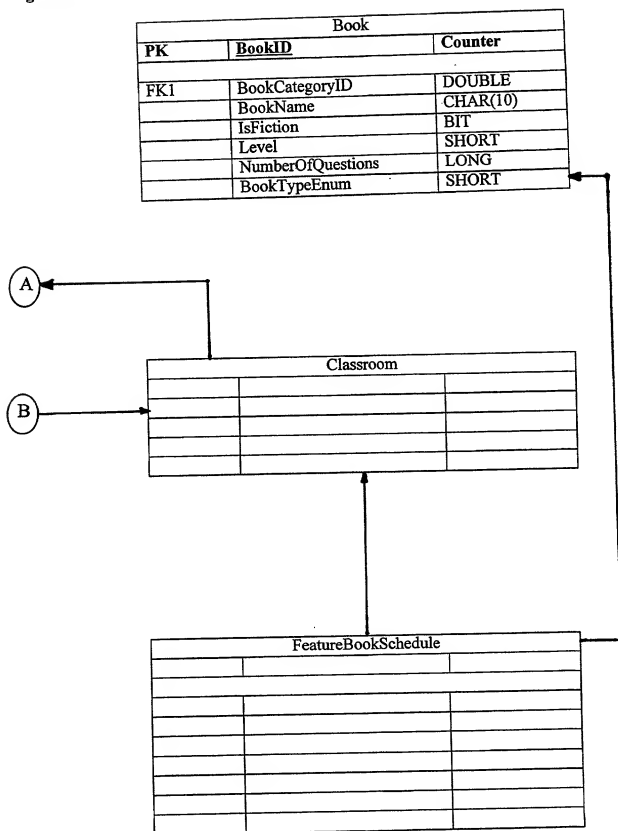


Figure 8.3.1

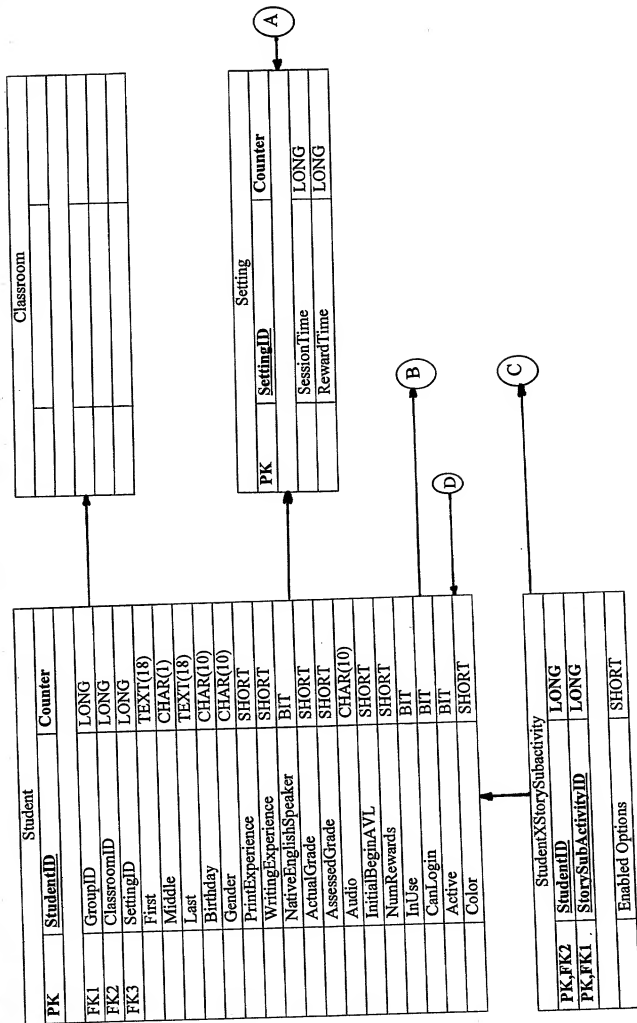


Figure 8.3.2

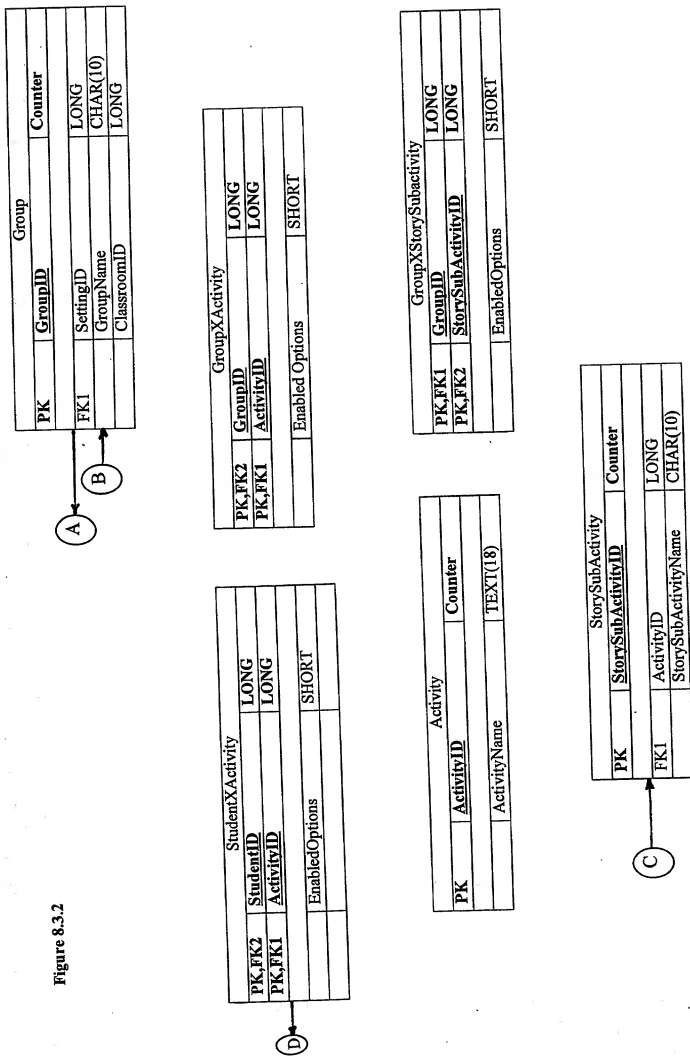




Figure 8.4.1

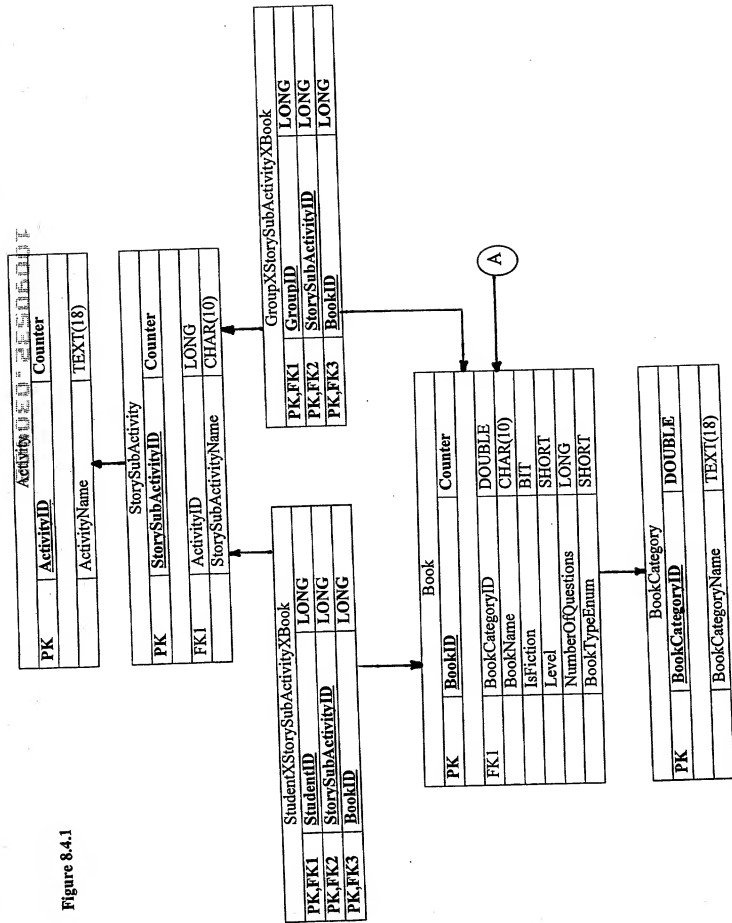


Figure 8.4.2

Comprehension Data		
PK	ComprehensionData	Counter
FK1	StudentBookDataID	LONG
	Cycle	LONG
	BeginAVL	SHORT
	EndAVL	SHORT
	QuestionExp	LONG
	AnswerExp	LONG
	HintExp	LONG
	Date	DOUBLE
	Duration	DOUBLE
	ResponseTime	DOUBLE
	IsCorrect	BIT
	InCompletedTask	BIT
	QuestionNumber	SHORT
	QuestionType	SHORT

StudentXBookData		
PK	StudentBookDataID	Counter
FK1	StudentID	LONG
FK2	BookID	LONG
FK3	StudentActivityDataID	LONG
	ChapterNumber	SHORT
	Date	DOUBLE
	Duration	DOUBLE

A

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